

Dr. S. Puttaswamaiah

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Department of Economics
Bangalore University
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1. Educational Qualification:

Ph. D. in Economics awarded by the **Bangalore University**, Bangalore, 2003.

Ph. D. at: **Institute for Social and Economic Change (ISEC)**, Bangalore.

M. A. Economics, Bangalore University, Bangalore, Karnataka, 1994.

B. A. Bangalore University, Bangalore, Karnataka, 1992.

Professional Eligibility:

Qualified in the **National Eligibility Test for Lectureship (UGC–NET)** conducted by the University Grants Commission, Government of India, New Delhi, 1998.

Subject: Economics

2. Research and Teaching Experience:

22 years of research and teaching experience

2.1 Teaching Experience:

Professor (since 01-07-2022) in the **Department of Economics, Bangalore University**, Bangalore.

Associate Professor (01-07-2019 to 01-07-2022), **Assistant Professor** (18-05-2007 to 01-07-2019) at the Department of Economics, Bangalore University, Bangalore.

2.2 Research Experience:

Assistant Professor in the **Institute for Social and Economic Change, Bangalore** from 14-10-2005 to 17-05-2007.

Economics Lecturer at the P. G. Department – Economics, Sri Bhagwan Mahaveer Jain College (Affiliated to Bangalore University), Bangalore, from 1-7-2005 to 12-10-2005.

Assistant Professor at the **Gujarat Institute of Development Research, Ahmedabad**, Gujarat, from 16-8-2004 to 30-6-2005.

Consultant (from 1-08-2003 to 31-07-2004) for a research project (sponsored by the **World Bank**) in the **Institute for Social and Economic Change**, Bangalore.

Associate Fellow (Assistant Professor) for two years and nine and months (from 16-10-2000 to 31-7-2003) at the **Centre for Multi-Disciplinary Development Research (Indian Council for Social Science Research's Institute), Dharwad, Karnataka.**

3. Examination and Corporate Works:

3.1 Examination and Valuation Works

1. Chairman, Board of Examiners, (2022-23) Department of Economics, Bangalore University
2. Custodian, P. G. Semester Examination, 2019-20, Department of Economics, Bangalore University.
3. Chairman, Board of Examination, Department of Economics, Bangalore University 2019-20
4. Custodian, P. G. Annual scheme Examination- 2013, Bangalore University, Bangalore
5. Assistant Custodian for Post Graduation Valuation of Ist and IIIrd Semester of Arts, Law, Education and Physical Education, 2010-11, Bangalore University, Bangalore
6. Member, Board of Examination 2010 -11, Panel of Examiners, Dept. of Economics, Bangalore University, Bangalore

3.2 Member, Board of Examination,

1. Kuvempu University,
2. Karnatak University,
3. Davanagere University,
4. Sri Krishna Devaraya University,
5. Mysore University,
6. Gulbarga University,
7. Tumkur University,
8. Akkamahadevi Women's University
9. Mount Carmel College,

3.3 Contribution to corporate life – Bangalore University and other Academic Institutions

1. Member, Faculty of Arts,
2. Member, BOS,
3. Member, BOE
4. Member, BOS, Jain University, Bangalore
5. Member, BOS, Government Science College, Bangalore
6. Member, BOS, JSS College, Mysore

3.4 Institutional governance – Bangalore University

1. Director, Nadaparbhhu Kempegowda Centre for Studies in Humanities and Social Sciences, Bangalore University, Bangalore
2. Director, MOOC, Bangalore University, Bangalore

3. Deputy Co-ordinator, **NAAC – SSR Preparation Team**, Bangalore University, Bangalore, 2022-23
4. Coordinator, Ramanagar Post Graduation Centre, Bangalore University, August 2015-16 to November 2018 (over 3 years).
5. Course Co-ordinator at Directorate of Correspondence Course and Distance Education, Bangalore University,

3.5 Coordinated Ecological Economics Paper:

Coordinated Ecological Economics paper for the IIIrd Semester students (2006), Environmental Science Department, Bangalore University (with Prof. K. V. Raju).

4. Publications - Books and Papers

4.1 Books

1. **Farm Forestry in India – An Economic and Environmental Analysis**, Bookwell Publishers, New Delhi, 2009. **ISBN: 978-81-89640-87-3**
2. **Government Spending on Selected Public Health Services in India: Central, State and the Local Governments'** (co author Shashanka Bhide), Monograph 13, Institute for Social and Economic Change, Bangalore, 2008. **ISBN:81-7791-112-0**

4.2 Papers

1. **Comparative economic analysis of organic and conventional farming in Karnataka**, T. Manjunatha and S. Puttaswamaiah, in Indian Journal of Economics and Development (Scopus Indexed), Vol. 17, No. 4, 2021, pp. 757- 766.
2. **Economics of Urban Wastewater-based Food Crops Cultivation: A Case Study in Karnataka, India**, D. Narasimha Murthy and S. Puttaswamaiah, Orissa Economic Journal, Vol. 53, Issue 1, 2021, pp. 150 – 179.
3. **Impacts of Wastewater Use in Agriculture on Health and Environment**, Puttaswamaiah S. and Narasimha Murthy D., Asian Journal of Research in Social Sciences and Humanities, Vol. 11, Issue 7, 2021, pp. 16 – 26.
4. **Impact of COVID – 19 on Vegetable Market – A Study of Bengaluru Market in Karnataka, India**, Puttaswamaiah S, International Journal of Social Science and Economic Research, Vol. 6, Issue 6, 2021, pp. 1645 – 1656.
5. **Organic Farming: Global and Indian Scenario**, S. Puttaswamaiah and Manjunatha T., International Journal of Research in Economics and Social Sciences, Vol. 11, Issue 05, 2021, pp. 57 – 75.

6. **Changing Trends in Food Processing Industries in India – A Study**, Venkatesh G. M. and Dr. S. Puttaswamaiah, International Journal of Innovative Practice and Applied Research, Vol 9, Issue 6,
7. **Organic Farming in India: An Analysis of Patterns in Area and Production**, Journal of Emerging Technologies and Innovative Research, (ISSN 2349-5162) Refereed, Vol. 6, Issue 5, May 2019, UGC No.63975.
8. **Public Health Services in South India: A Comparative Analysis**, Journal of Emerging Technologies and Innovative Research, (ISSN 2349-5162), Refereed, Vol. 5, Issue 10, September, 2018, UGC No. 63975.
9. **An Analysis of Diseases Burden and Out of Pocket Health Expenditure among South Asian Countries**, Pragathi: Journal of Indian Economy, (Online ISSN: 2395-261X, Print ISSN: 2347-4432), Refereed, Vol. 5, Issue 1, January-June 2018, UGC No. 47650
10. **An Analysis of Health Status and Health Expenditure of the Union Territories in India**, International Journal of Creative Research Thoughts (ISSN – 2320 2882), Refereed, Vol. 6, Issue1, February 2018, UGC No.49023.
11. **Emerging Patterns of Communicable, Non-communicable Diseases and Health Expenditure in India and Other South Asian Countries**, International Review of Business and Economics (ISSN- 2474 5146 (online), 2474 5138 (print), Refereed, Vol. 2, Issue No. 2, February 2018
12. **Payment for Ecosystem Services under Conditions of Poverty**, Journal of Arts, Humanities and Social Sciences, (ISSN 2347-9493), Refereed, Vol. 6, Issue 1D, January 2018, UGC No. 43185.
13. **Urban Cooperative Banks in India Status, Issues and Prospects**, Journal of Arts, Humanities and Social Sciences, (ISSN 2347-9493), Refereed, Vol. 6, Issue 1D, January 2018, UGC No. 43185.
14. **Farm Forestry in India – An Overview**, International Journal of Creative Research Thoughts (ISSN – 2320 2882), Vol. 3, Issue 3, August 2016, UGC No.49023.
15. **Economics of Urban Wastewater Agriculture: A Case Study in a Peri Urban area of Bangalore (2015) in Development Trends in Urban and Peri Urban Agriculture**, ed. Deshpande R. S. et al, published by Westville Publishing House, New Delhi. ISBN - 978 -93 – 83491 – 22 - 3
16. **Analysis of Economic, Health and Environmental Impacts of Urban Wastewater Use in Rural Agriculture (2014) in Equality and Sustainable Human Development – Issues and Policy Implications**, Ed. Shivachittappa K. and Jeffrey Lawrence D’Silva, published by Lulu Enterprises UK Ltd. United Kingdom.
17. **Environmental Regulations and Governance in India: An Economic Analysis (2012)**, in Legal Pluralism in Natural Resource Management – South and South – East

Asian Perspective, ed. by Amalendu Jyotishi, Sushanta Mahapatra and Maarten Bavinck, Excel India Publishers, New Delhi. ISBN: 978-93-82062-16-5.

18. **Higher Education in India: Emerging Issues of Equity and Finance**, Economics, Management, and Financial Markets, Volume 6(1), 2011, Pp. 325–343, ISSN 1842-3191.
19. **Financing Higher Education: A Study of Educational Loans**, CMDR Monograph No. 61, 2010, ISBN: 978-81-921094-8-0
20. **Trends and Patterns of Technology Acquisition in Indian Organised Manufacturing: An Inter-Industry Exploration**” (co-author Jaya Prakash Pradhan), The Indian Journal of Economics, No. 353, October 2008, Part II, Vol. LXXXIX, 2008. ISSN: 0019-5170
21. **Organic Farming in India**” (co-author Amita Shah) in Indian Agriculture: Challenges of Globalisation, ed. By Vinayaka Reddy. A., M. Yadgira Charyulu, New Century Publications, New Delhi, 2008
22. **Asia Workshop Report on Compensation for Ecosystems Services**” (co-author), ICRAF Working Paper 34, Nairobi, Kenya, 2007.
23. **The Conditions for Effective Mechanisms of Compensation and Reward for Environmental Services**” (co-authors - Brent Swallow, Beria Leimona, Thomas Yatich, and Sandra Velarde), ICRAF Working Paper 38, Nairobi, Kenya, 2007.
24. **Drinking Water Supply: Environmental Problems, Causes, Impacts and Remedies – Experiences from Karnataka**’ ed. book by K. V. Raju, Books for Change publishers, Bangalore, 2007.
25. **Promoting Sustainable Agriculture: Experiences from India and Canada**’ in Journal of Social and Economic Development, Vol. 8, No. 2, July-December 2006.
26. **Promoting Sustainable Agriculture: Experiences from India and Canada**’ (with Ian Manns and Amita Shah), Working Paper, Gujarat Institute of Development Research, Ahmedabad, 2005.
27. **Trends and Patterns of Technology Acquisition in Indian Organized Manufacturing: An Inter-industry Exploration**’ (with Jaya Prakash Pradhan), Working Paper No. 157, Gujarat Institute of Development Research, Ahmedabad. 2005
28. **Drinking Water Supply and Sanitation in Karnataka**’, in the **Karnataka Development Report (2005)**, prepared and published by the Planning Commission, Government of India, coordinated by the Institute for Social and Economic Change, Bangalore.
29. **Environmental Pressures in Drinking Water Supply: Some Observations from Karnataka**’, Working Paper No. 154, Gujarat Institute of Development Research, Ahmedabad, 2005.

30. **Rural and Urban Drinking Water Supply and Sanitation in Karnataka (2004)** in **State of Environment Report and Action Plan – Karnataka**, published by the Government of Karnataka, Bangalore.
31. **Economic Reforms and Health Sector: Some Lessons from International Experience**, Monograph No. 39, Centre for Multi-Disciplinary Development Research, Dharwad, 2002.
32. **Economic Analysis of Social Forestry in Karnataka** published in edited book “Economic Development of Karnataka – Leading Issues”, ed. by M V Srinivasa Gowda and D T Nanjgowda, Bangalore, 1999.
33. **People Power**’ (co – author K N Ninan), Down To Earth, 31st March 1998.

4.3 Review of Articles for Journals:

'Agricultural Systems" published by Elsevier

Journal of Social and Development, Institute for Social and Economic Change

Indian Journal of Economics and Development, The Society of Economics and Development

5. Papers presented/ participation in Conferences/ Seminars/Workshops

5.1. International Conference (with paper)

1. Public Health Services in South India: A Comparative Analysis’, Social Engineering and Contemporary Issues in Indian Economy, Pachaiyappa s College for Men, Kanchipuram, Tamil Nadu, 24th September, 2018.
2. Development of Public Health Services: A Comparative Analysis among Selected South Indian States, India After 25 Years of Economic Reforms: What’s Achieved? What’s Ahead? Central University of Kerala, Kasargod, Kerala, 1, 2, and 3 March 2018.
3. Emerging Patterns of Communicable, Non-communicable Diseases and Health Expenditure in India and Other South Asian Countries, Climate and Environmental Challenges: Retrospect and Prospect, Asian Management Economics Commerce Association, Chennai, Tamil Nadu, 6th February 2018.
4. Analysis of Economic, Health and Environmental Impacts of Urban Wastewater Use in Rural Agriculture (2014) in Equality and Sustainable Human Development – Issues and Policy Implications, organized by Development Research Foundation, Mysore.
5. Environmental Regulations and Governance in India: An Economic Analysis (2012), in Legal Pluralism in Natural Resource Management – South and South – East Asian Perspective at International conference on Legal Pluralism at Amrita University, Coimbatore.
6. Environmental Sustainability: Concerns of Environmental Degradation and Health in India paper presented at the International conference on “Environmental Sustainability’, Fatima College, Madurai, Tamil Nadu. 2011.

7. Linking River Basins for Agriculture Development: Insights from India paper presented in the 11th International River Symposium organized by River Festival, Brisbane and International River Foundation at Brisbane, Australia, during 1 – 4 September, 2008.
8. Sustainable Agriculture: Organic Farming in India and Canada paper presented in the 9th Biennial Conference of the International Society for Ecological Economics, during 15-18 December, 2006 at New Delhi.
9. Participated in Inaugural Workshop of the Project “Strategy and methodology for improved IWRM - An integrated interdisciplinary assessment in four twinning river basins”, at ICRISAT, Hyderabad, during July 17-19, 2006.
10. Synthesis paper of the Asia Regional Workshop on Compensation for Ecosystems Services at the International Centre Research in Agroforestry, Nairobi, Kenya, during June 5-9, 2006.
11. Poverty, Environment, Institutions, Market and Effectiveness of CES Mechanisms” presented in the ‘Asia Regional Workshop on Compensation for Ecosystems Services” during May 8-10, 2006 at the Institute for Social and Economic Change, Bangalore.
12. Promoting Sustainable Agriculture: Experiences from India and Canada’ (with Ian Manns and Amita Shah), paper presented in the International Conference on Environment and Development: Developing Countries Perspectives, organized by the International Trade and Development Division, School of International Studies, Jawaharlal Nehru University, New Delhi, during April 7-8, 2005.
13. Natural Resource Management: Case of Farm Forestry in Dry Land Areas” (co – author K N Ninan) presented in the Conference of the International Society of Ecological Economists held in Canberra, Australia, July 2000.

5.2. Seminars/Conferences/Workshops in India (with paper)

1. Agro-based Industries in India: Status, Problems and Prospects, Agriculture, Environment and Sustainable Development in India: Approaches, Problems and Way Forward, Tumkur University, 30th March 2019.
2. Economics of Urban Wastewater Agriculture: A Case Study in a Peri Urban area of Bangalore at the National Seminar on Development Trends in Urban and Peri Urban Agriculture, at Institute for Social and Economic Change, Bangalore (August 8-9, 2013).
3. Urban Wastewater and Agriculture: An Assessment of Economic, Health and Environment Impacts in Peri- Urban Areas (April, 26 2013), at the National Seminar on Population, Environment and Development at Institute for Social and Economic Change, Bangalore.

4. Financing for Higher Education: An Analysis of Educational Loans at the National Seminar on 'Balancing Banking and Social Responsibility: Development and Challenges Ahead' at the Centre for Multi Disciplinary Development Research, Dharwad, during June, 2010.
5. Economy, Environment and Governance in India: An Analysis from Economics Perspective presented in the National Seminar on 'Good Governance in India: Challenges and Dimensions' at Vivekananda Law College, Bangalore during March 2010.
6. Determinants and Economics of Farm Forestry" in the National Seminar on Social Forestry in India: Economy, Environment and Development at Mandya P. G. Centre, Mysore University, Mandya during 19 – 20th March, 2009.
7. Compensation and Reward for Ecosystems Services: A New Approach for Natural Resource Management in the Fifth Biennial Conference of the Indian Society for Ecological Economics at Ahmedabad, during January 21-23, 2009.
8. Effectiveness of Reward for Ecosystems Services Schemes under Poverty Conditions In Asia: A Conceptual Note" in the Workshop on Compensation and Rewards for Ecosystems Services sponsored by the Indian Society for Ecological Economics, jointly organised by the Indian Institute of Forest Management, Bhopal and Institute for Social and Economic Change, Bangalore at IIFM, Bhopal during 4 – 5, February 2008.
9. Organic Farming in India: A Move towards Market and Sustainable Agriculture' in the National Seminar " Emerging Trends in Rural Economy Post Globalisation Dimensions" organised by the Kakatiya university, Warangal, Andhra Pradesh during November,2007.
10. Sustainable Agriculture: An Exploratory Study of Organic Farming in India, paper presented at National Seminar 'Sustainability of Food Security – Land, Water and Equity Issues', organized by the Department of Studies in Economics and Co-operation, University of Mysore, during 29-30 March, 2007.
11. Rural Drinking Water Supply in Karnataka: An Analysis of Resource Allocation by Grama Panchayats (with Shashanka Bhide), paper presented in the National Seminar organised by the National Council of Applied Economic Research and Institute for Social and Economic Change, on 10th January 2006.
12. Drinking Water Supply: Environmental Problems, Causes, Impacts and Remedies – Experiences from Karnataka, presented in the 4th Annual Partners Meet of IWMI-TATA during 24-26 February 2005, at Anand, Gujarat.
13. Environmental Degradation and Water Quality: A Case of Karnataka (with Prof. Gopal K. Kadekodi and Mrs. Nayanatara Nayak) presented at the Workshop on Programme for Action Development – India Water Vision – 2025, sponsored by India Water Partnership and organized by Sahayoga, Bangalore, January 2003.
14. Economics of Farm Forestry presented at the first Biennial Conference of the Indian

Society for Ecological Economics held at Bangalore during December 1999.

15. Economic Analysis of Social Forestry in Karnataka presented at the 81st Conference of Indian Economic Association, held at Bangalore, December 1998.
16. Green Movements in Karnataka, (co – author with K N Ninan) presented at the Seminar on Karnataka: Society, Economy and Politics – Change in a Historical Perspective, organised by the Institute for Social and Economic Change, Bangalore, November 28-30,1996.

5.3 Lectures as Resource Person:

1. Presented Inaugural address at National Seminar on Sustainable Development in India: Problems and Progress, Sadakathullah Appa College, Tirunelveli, on 18-10-2023
2. Economic Impacts of Artificial Intelligence; and Financing for Sustainable Development, in 32nd Refresher Course on Advances in Economics: Theory and Empirics' at HRDC, Mysore University on 16-08-2023.
3. Research Manuscript Development Techniques in workshop on Research Trends and Quality Enhancement Skills for Teaching, 18 January, 2022, at School of Legal Studies, Reva University
4. Man versus Machine in the Economics of AI in Monetary Policy, workshop on Economics of Artificial Intelligence and Data, 05-02-2021, at Karnataka State Akkamahadevi Women;s University, Bijapur.
5. Impact of COVID – 19 on Foreign Direct Investment, Refresher course on Covid – 19 Pandemic and Its Impact on Various Sectors of the Indian Economy, at UGC – HRD, December 16, 2020, University of Mysore.
6. Financing for Sustainable Development in the Wake of COVID – 19 Impact at Contemporary Issues in Economic Development, November 24, 2020, UGC – HRDC, University of Mysore
7. Impacts of Artificial Intelligence on Financial Sector, Refresher Course, February 02, 2021, HRDC, Bangalore University
8. Pattern of Urbanization and Urban Wastewater Generation in India at 103rd Annual Conference on Reviewing the Economy towards Self Reliant India: Since 1991 to the Future & Role of Technology towards innovation, Start-ups for Economic Growth in India, December 27 – 29, 2020, Indian Economic Association
9. Trends in Organic Farming - Global and Indian Scenario, 103rd Annual Conference, Reviewing the Economy towards Self Reliant India: Since 1991 to the Future & Role of Technology towards innovation, Start-ups for Economic Growth in India, December 27 – 29, 2020, Indian Economic Association.

10. Environmental Finance towards Sustainable Development, in Sustainable Development in Recent Indian Scenario – Issues and Challenges, September 18 – 19, 2020, Kempegowda Institute of Management Studies and Research, Bangalore.
11. Impact of COVID – 10 on Foreign Direct Investment in India, in Impact of COVID – 19 on Industry and Investment in India, 22 July, 2020, Department of Economics, Bangalore University, Bangalore.
12. External Challenges for Achieving \$5 Trillion Indian Economy with Special Reference to Foreign Direct Investment and Trade, A 5 Trillion Dollar Economy: Feasibility, Strategy and Challenges, February 15, 2020, Karnataka Rajya Arthika Parishat, Kuvempu University and DVS College, Shivamogga.
13. Foreign Direct Investment in India: An Analysis of Recent Trends and Development, Rethinking of Indian Development Experience, March 12 and 13, 2020, Mangalore University, Mangalore.
14. Demonetization and its Impacts on Small Scale Industries and Self Help Groups, December 11, 2019, HRDC, Bangalore University, Bangalore
15. Report Writing, Research Methodology course in Social Science, on 04-05-2019, National Law School of India University
16. Report Writing, Research Methodology Workshop, 03-02-2018, University of Mysore
17. Energy Security, (Session Chairman), National Conference on Sustainable Development: Dimensions and Strategies, 27th March 2018, Indo Asian Academy, Bangalore
18. Public Health Services in South India: A Comparative Analysis, Social Engineering and Contemporary Issues in Indian Economy, Pachaiyappa s College for Men, Kanchipuram, Tamil Nadu, 24th September, 2018.
19. Statistical tools, Special Lecture, 12-06-2017, Bangalore University.
20. Cost – Benefit Analysis, Research Methodology Course, 13-07-2018, HRDC, Bangalore University.
21. Education and Economic Development, Research Methodology Course, 13-07-2018 HRDC, Bangalore University
22. Demonetization and Impacts, Research Methodology Course, 12-02-2018, HRDC, Bangalore University.
23. Research Design and Report Writing in Research Methodology course at Kannada Vishwavidyalaya on 1-6-2016
24. Special Lectures (three lectures) on Statistical Methods at Kadur P. G. Centre, Kuvempu University on 27-04-2016

25. Tools of Data Collection and Data Processing; (2) Hypothesis Testing in Research Methodology Workshop at Karnataka State Women's University, Bijapura on 27-02-2016.
26. Research Design in Capacity Building Programme at on 2-08-2015 at ISEC Bangalore
27. Cost – Benefit Analysis in Capacity Building Programme on 6-08-2015 at ISEC, Bangalore.
28. Environmental Sustainability, Payment for Ecosystem Services in Refresher Course on 28th August 2014 at Bangalore University
29. Importance of Statistics and Measurement of Correlation in ICSSR Research Methodology Course at Mangalore University on 10th August, 2013
30. Techniques in Report Writing in Advanced Research Methodology in Social Sciences in January 2013 at Mysore University.
31. Environment and Population at Karnataka University, Dharwad on 18th March, 2012
32. Delivered lectures on Cost Benefit Analysis (15 lectures) at M. A. Economics Dept. Central University of Karnataka, Gulbarga, during March-April, 2012.
33. Delivered lectures on (1) Sustainable Development: Concepts, Approaches and Indicators, (2) Compensation and Reward for Ecosystems Services to the participants of Nordic (North European Universities Consortium) – ISEC Course on Environmental Challenges in India at the Institute for Social and Change, Bangalore during July, 2010.
34. Delivered lectures on (1) Compensation and Reward for Ecosystems Services, (2) Compensation and Reward for Ecosystems Services – Case Studies to the participants of Nordic (North European Universities Consortium) – ISEC Course on Environmental Challenges in India at the Institute for Social and Change, Bangalore during July, 2009.
35. Delivered a Lecture on Women and Environment to the participants of Refresher Course, organized by the Centre for Women Studies, Bangalore University, Bangalore during March, 2009.
36. Delivered lectures on (1) Ecology A Systems View, (2) Environmental Pollution and Health, (3) Urban Environmental Challenges and (4) Compensation and Reward for Ecosystems Services to the participants of Nordic – ISEC Course on Environmental Challenges in India at the Institute for Social and Change, Bangalore during December, 2008.
37. Delivered lectures on Ecological Economics at the Department of Environmental Science, Bangalore University, IIIrd Semester, 2008.

38. Delivered Lectures on Intricacies of Natural Resources, Measurement and Valuation of Natural Resources, Environmental Instruments, Approaches for Natural Resources Management, Environmental Acts, Laws in India to the Post Graduate Students of Rural Management at the KIIT School of Rural Management, Bhubaneswar, Orissa, during April, 2008.
39. Delivered lectures on Ecological Economics at the Department of Environmental Science, Bangalore University, IIIrd Semester, 2007.
40. Delivered Lecture on 'Economics of Farm Forestry in India' in the Nordic Course in August 2007 at the Institute for Social and Change, Bangalore.
41. Delivered Lecture on 'Forest Rights in India' in the CAPRI Training Programme in April, 2007 at the Institute for Social and Change, Bangalore.
42. Delivered lectures on Ecological Economics at the Department of Environmental Science, Bangalore University, IIIrd Semester, 2006.

5.4 Workshop coordinated

Coordinated **international workshop** titled '**Asia Regional Workshop on Compensation for Ecosystems Services**' during May 8-10, 2006 at the Institute for Social and Economic Change, as part of the Global Scoping Study on Compensation for Ecosystems Services, funded by IDRC, Canada and coordinated by the World Agroforestry Centre, Nairobi, Kenya.

5.5 Workshops Participated as Resource Person/ Reviewer:

1. Participated in the Seminar on 'Water Resources in Karnataka: Emerging Challenges' organised by ISEC and State Planning Board, Government of Karnataka on 25-03-2008 at Vikasa Soudha, Bangalore.
2. Participated in the Workshop on Research Agenda of Forest Department, Government of Karnataka, organised by the Department of Forest and Environment, Government of Karnataka on 6th October, 2006.
3. Participated in IFPRI Project Review Workshop 'Making Services Work for Rural Poor' at Institute for Social and Economic Change, Bangalore 29th June, 2006.
3. Participated as a Resource/Review Person in the Workshop on Common Property Water Resources of a project at the Centre for Multi-Disciplinary Development Research, Dharwad, on 28th February 2006.
4. Participated as a Resource Person in the Workshop for Revising the Syllabus of Environmental Science Department of Bangalore University on 11th January 2006.
5. Participated in the Seminar on Karnataka Development Report (as a contributor to the report) organised by the Institute for Social and Economic Change, Bangalore on 5th January 2006.

5. Participated as a Resource Person in the Workshop "Sustaining Rural Indian Livelihoods: Economic and Environmental Challenges" organised by the Shastri Indo-Canadian Institute, New Delhi on 5th December 2005.

6. Participated as a Resource Person in the 'Consultation Workshop on Water and Livelihood in Gujarat' as part of the State Development Report – Gujarat, organised by the Gujarat Institute of Development Research, Ahmedabad, May 30, 2005.

7. Participated in the workshops organised by the Department of Forests, Environment and Ecology, Government of Karnataka while preparing the State of Environment Report – Karnataka.

5.6 Training Programmes Participated:

1. Refresher Course in Social Sciences conducted by the UGC- Human Resource Development Centre (Academic Staff College), Bangalore University, Bangalore, during 6 – 27 July 2015.

2. Refresher Course in Social Sciences conducted by the UGC- Academic Staff College, Bangalore University, Bangalore, during 2012

3. Training program in Econometrics conducted by the Centre for Multidisciplinary Development Research, Dharwad, during 2011

4. Participated in the 35th Orientation Programme for Lecturers conducted by the UGC- Academic Staff College, Bangalore University, Bangalore during 3 – 31 August, 2009.

5. Attended a Workshop on Environmental Economics for Ph. D. Scholars conducted by the Indira Gandhi Institute of Development Research, Mumbai, India, July 2000.

6. Attended a Workshop on Environmental Economics for Ph D Scholars conducted by the Madras School of Economics, Chennai, India, November 1999.

7. Participated in the Computer Training Programme for Social Scientists conducted by the Council for Social Development, Hyderabad, India, April 1997.

6. Projects and Consultancies:

6.1 Projects

1. **Economics of Urban Wastewater Use in Agriculture – A Case Study in Bangalore**, sponsored by Bangalore University, Bangalore.

2. **Technical, Social, Economical and Environmental Study of Sujalam Suphalam Yojana in Gujarat**, sponsored by the Narmada Water Resources, Water Supply and Kalpsar Department, Government of Gujarat, Gandhinagar, 2007.

3. Workshop Report of the **Asia Regional Workshop on Compensation for Ecosystems Services**, submitted to the International Centre for Research in Agroforestry, Nairobi, Kenya, 2007

4. **“Global Scoping Study on Compensation for Ecosystems Services”** as part of the Global Scoping Study on Compensation for Ecosystems Services, funded by IDRC, Canada and coordinated by the World Agroforestry Centre, Nairobi, Kenya. 2007
5. **"Rapid Assessment of Socio-Economic Aspects of Upper Bhadra Project"** (with Dr. K. V. Raju and Dr. K. Lenin Babu) report prepared for the Karnataka Niravari Nigam Ltd., Water Resources Department, Government of Karnataka, Bangalore, (Completed – 2006).
6. **‘Sustainable Agriculture: An Exploratory Analysis of Organic Farming in India’**, report as part of a larger study on ‘Food Security and Sustainable Production Systems in India and Canada: Implications under Trade Liberalisation’, at the Gujarat Institute of Development Research, Ahmedabad. The study was supported under the Shashtri Applied Research Programme, by Indo-Shashtri Canadian Institute, New Delhi (2005).
7. **“Government Spending on Basic Public Health Services: Central and State Governments”** (with Dr. Shashanka Bhide) - Background Paper prepared under the World Bank sponsored project Restructuring Local Environment Management for Better Health Outcomes: Towards A District Pilot in Karnataka at the Institute for Social and Economic Change, Bangalore, India (2004).
8. **“A State Level Analysis of Public Expenditure on Provision of Basic Public Health Services Governments”** (with Dr. Shashanka Bhide) - Background Paper prepared under the World Bank sponsored project Restructuring Local Environment Management for Better Health Outcomes: Towards A District Pilot in Karnataka at the Institute for Social and Economic Change, Bangalore, India (2004).
9. **“Grama Panchayats and Basic Public Health Services: Expenditure Analysis in Two Districts of Karnataka”** (with Dr. Shashanka Bhide) - Background Paper prepared under the World Bank sponsored project Restructuring Local Environment Management for Better Health Outcomes: Towards A District Pilot in Karnataka at the Institute for Social and Economic Change, Bangalore, India (2004).
10. **Morbidity Status, Utilisation and Cost of Treatment: A Comparative Study in the Selected States’** (with P. R. Pancharukhi), a report prepared for the UNDP – Government of India project on “Economic Reforms and Health Sector in India” at the Centre for Multi-Disciplinary Development Research, Dharwad, Karnataka, 2003. This report has been prepared by analysing primary data collected on morbidity status, utilisation of different health facilities and expenditure on treatment of illness from 4500 households in three Indian states.
11. **Rural and Urban Drinking Water Supply and Sanitation in Karnataka** (2003), report prepared in association with Dr. P. R. Pancharukhi, Dr. Gopal K. Kadekodi and Mrs. Nayanatara Nayak for the **State of Environment Report and Action Plan – Karnataka**, prepared by the World Bank and the Government of Karnataka. This report is based on secondary data and the discussions with government officials from different departments.
12. **‘Economic Reforms and Health Sector: Some Lessons from International Experience’** (2002), report prepared for the UNDP – Government of India project on **“Economic Reforms and Health Sector in India”** at the Centre for Multi-Disciplinary

Development Research, Dharwad, Karnataka. The report has been prepared by reviewing the literature on the effects of economic reforms on health sector in other countries.

13. **'Regional Development Boards in Karnataka - An Evaluation'** (2002), associated with the Centre for Multi-Disciplinary Development Research's team in preparing the report for the High Power Committee on Redressal of Regional Disparities in Karnataka, Government of Karnataka.

6.2 Consultancies:

1. **Impact Evaluation of Government Hostels for SC/ST/OBC students on Enrolment, Transition and Learning Outcomes in Karnataka (2014-15 to 2018-19) for attaining Targets under SDG 4 and SDG 10**, by HKCAL, Bengaluru, for Karnataka Evaluation Authority, Government of Karnataka (ongoing)

2. **Evaluation of Effects of Demonetization on Small Scale Industries in Karnataka and An Assessment of Impacts of Demonetization on Self Help Groups in Karnataka**
Karnataka Evaluation Authority, Department of Planning, Programme Monitoring and Statistics, through, Hyderabad Karnataka Center for Advanced Learning, Gulbarga
(Completed)

7. Awards

Received a Travel Grant to attend the Conference of the International Society of Ecological Economists at Canberra, Australia during July, 2000, by the NIPFP, Delhi, under the World Bank aided Environmental Economics Capacity Building Programme.

Awarded a Ph. D. Fellowship in 1995 by the Institute for Social and Economic Change, Bangalore, Karnataka.

8. Membership with Professional Organizations

1. Member, International Society for Ecological Economics
2. Member, Energy, Environment and Water Panel of Confederation of Indian Industries - Karnataka
3. Life Member, Indian Society for Ecological Economics,
4. Life Member, Bangalore Social Science Forum

PUTTASWAMIAH S.